

IN THE CLAIMS:

Please amend claims 33, 35, 36, 37, 39, 40, 42, 43, 46 and 50 as follows:

1-32 (Canceled)

33. (Currently Amended) A method of making ink jet recording media comprising the steps of

providing coating composition makedown water,

heating the water,

adding boric acid to the heated water with mixing until the boric acid is substantially completely dissolved in the water,

adding polyvinyl alcohol to the boric acid containing heated water and continuing to heat the water until the polyvinyl alcohol is substantially completely dissolved in the water, and

cooking the polyvinyl alcohol and boric acid together until a reaction has taken place between the polyvinyl alcohol and the boric acid such that the molecule bonds in the reaction product are principally polyvinyl alcohol-boric acid-polyvinyl alcohol bonds,

providing a dimensionally stable absorbent paper substrate,

applying a coating of the composition onto the absorbent paper substrate and forming on the substrate a three-dimensional porous screen or sieve comprised of said reaction product,

the sieve or screen holding ink pigment or colorant out on the sieve or screen

and facilitating penetration of ink carrier vehicle to the absorbent paper substrate for absorption by the substrate.

34. (Original) A method as set forth in Claim 33 including the step of adding an immobilizer to the composition before applying the composition to the substrate.

35. (Currently Amended) A method as set forth in Claim 33 wherein the substrate has a basis weight ~~of at least~~ as low as 30 pounds per 3,000 square feet.

36. (Currently Amended) A method as set forth in Claim 35 wherein the composition is applied ~~to~~ onto the substrate at a coat weight of from about 1.3 to about 2.7 pounds per 3,000 square feet.

37. (Currently Amended) A method as set forth in Claim 33 wherein said base sheet is a high gloss supercalendered paper having a basis weight ~~in-on~~ the order of about 80 to about 100 pounds per 3000 square feet.

38. (Previously Presented) A method as set forth in claim 33 wherein said base sheet is comprised of one or more of chemical, mechanical and groundwood pulps; size;

and one or more wet strength additives.

39. (Currently Amended) A method as set forth in Claim 38 wherein said base sheet is manufactured from a furnish comprised by weight of about 50 parts hardwood chemical pulp, about 50 parts softwood chemical pulp, about 25 parts paper machine broke, from about 0.25 to about 2 percent rosin size and from about 0.25 to about 1.5% of one or more wet strength additives.

40. (Currently Amended) A method as set forth in Claim 39 wherein the furnish includes ~~in~~on the order of about 0.25 percent by weight cationic agent.

41. (Previously Presented) A method as set forth in Claim 33 further comprising adding an ink setting agent to the coating composition before applying the composition to the substrate.

42. (Currently Amended) A method of making ink jet recording media comprising the steps of:

providing coating composition makedown water,

heating the water,

adding boric acid to the heated water,

mixing until the boric acid is substantially completely dissolved in the water,

adding polyvinyl alcohol to the boric acid containing heated water,
continuing heating the water until the polyvinyl alcohol is substantially
completely dissolved in the water, and

cooking the polyvinyl alcohol and boric acid together until a reaction has taken
place between the polyvinyl alcohol and the boric acid such that the molecule bonds in the
reaction product are principally polyvinyl alcohol-boric acid-polyvinyl alcohol bonds,

adding an immobilizer,

providing a dimensionally stable absorbent substrate, and

applying a coating of the composition onto the absorbent substrate,

said coating comprising a sieve or screen facilitating penetration of ink carrier
vehicle to the absorbent substrate for absorption by the substrate while holding ink pigment
or colorant out on the sieve or screen.

43. (Currently Amended) A method as set forth in Claim 42 wherein said
~~ink setting agent comprises~~ including the step of adding a cationic or conductive polymer to
the coating composition.

44. (Previously Presented) A method as set forth in Claim 42 wherein said
coating is comprised of from about 75 to about 96 parts by weight polyvinyl alcohol and
from about 1 to about 6 parts by weight boric acid.

45. (Previously Presented) A method as set forth in Claim 42 wherein the immobilizer is glyoxal-based.

46. (Currently Amended) A method as set forth in Claim 42 wherein the makedown water comprises from about ~~75-70~~ to about ~~85-90~~ percent by weight of the composition, the boric acid comprises from about ~~0.5-0.25~~ to about ~~1.0-2.0~~ percent by weight of the composition, and the polyvinyl alcohol comprises from about ~~15-10~~ to about ~~24-30~~ percent by weight of the composition.

47. (Previously Presented) A method as set forth in Claim 42 wherein the substrate has a basis weight of from about 30 pounds to about 150 pounds per 3000 square feet.

48. (Previously Presented) A method as set forth in Claim 42 wherein said coating has a coat weight of from about 1.3 to about 2.7 pounds per 3,000 square feet.

49. (Previously Presented) A method as set forth in claim 42 wherein said substrate is selected from the group of uncoated paper, coated paper, high gloss printing paper, groundwood paper, paper made from chemical pulp, paper containing wet strength additives, machine glazed paper, label paper, light weight publication grade paper, supercalendared paper, bond, photography paper, and envelope stock.

50. (Currently Amended) Method of making ink jet recording media comprising the steps of:

providing coating composition makedown water,

adding boric acid and polyvinyl alcohol to the water,

reacting the boric acid and polyvinyl alcohol to form polyvinyl alcohol-boric acid-polyvinyl alcohol bonds, and

applying the composition ~~to~~onto an absorbent substrate,

said composition forming a sieve or screen facilitating penetration of ink carrier vehicle to the absorbent substrate for absorption by the substrate while holding ink pigment or colorant out on the sieve or screen.

51. (Withdrawn) A product made from the method as set forth in Claim 33.

52. (Withdrawn) A product made from the method as set forth in Claim 42.